

Web Resources for Mathematics Teachers of Ottawa Catholic School Board

(web-sites checked & revised September 2008)

Key Ontario Provincial Curriculum Documents and Related Information

Type/Name	Description	Web link
Leading Math Success	Central area for Ministry support materials for gr 7, 8, 9P, 10P, ELL, planning guides for gr 7-11 courses, manip's, summative tasks, GSP sketches, research, parent support, TIPS4RM, admin.	http://www.edu.gov.on.ca/eng/studentsuccess/lms/library.html
Grades 1-8, Mathematics, 2005	Curriculum Documents, exemplars etc., includes the Expert Panel Reports (primary, junior, intermediate, senior)	http://www.edu.gov.on.ca/eng/curriculum/elementary/math.html
LDCC MAT 1L and 2L	Subject Document, Course Profiles; includes sample lessons and timelines	http://www.curriculum.org/csc/library/ldcc/index.shtml
Gr 9-12 Math (not LDCC)	Curriculum Documents, exemplars for all math courses, including the transfer course etc.	http://www.edu.gov.on.ca/eng/curriculum/secondary/math.html
Course Profiles	Profiles – Catholic and public lesson outlines, timelines, and sample lessons	http://www.curriculum.org/csc/library/profiles/profiles.shtml
Think Literacy	Mathematics, 7-9 and 10-12 – Frayer models etc.	http://www.oame.on.ca/main/index1.php?lang=en&code=ThinkLit
EOCCC	Eastern Ontario Catholic Curriculum Co-operative	http://www.eoccc.org/
EQAO	Site with past results, best practices, teacher, student and parent resources	http://www.eqao.com/categories/home.aspx?Lang=E
Ontario Educational Resource Bank	Learning objects, tutorials, content pages, assignments etc. teacher login: username -> OCCDSBteacher; password -> oerbt student login: username -> OCCDSBstudent; password -> oerbs	http://resources.elearningontario.ca
OSAPAC	Ont. Software Acquisition Software - licensed for free use by teachers and students in Ontario; includes Fathom2, Quicktax	http://www.osapac.org/bb.asp
Trillium Listing	Listing and criteria for textbooks approved for use by Ministry	http://www.curriculum.org/occ/trillium/index.shtml

Teacher Associations & Conference:

Name	Host	Description	Web Link
OAME	Ontario Association of Mathematics Educators	Site with links for conferences, publications, membership info etc. Conference in May	http://www.oame.on.ca/main/index1.php
COMA	Carleton Ottawa Mathematics	Our local chapter of OAME, listings of local events (mini-conferences-November & May, math olympics)	http://oame.on.ca/chapter/COMA/

	Association		
NCTM	National Council Teachers of Mathematics	American-National group which sets the direction for Mathematics in North America (Canadian links) with wealth of information, articles etc. of interest to all mathematics teachers. (conf in March)	http://www.nctm.org/
CEMC	U of Waterloo	Summer Institutes (August) for gr 7&8 or 9-12 teachers; marking of above contests etc.	http://www.cemc.uwaterloo.ca/english/index.shtml

Sites for Creating Templates, Graphing, Writing etc.:

Type	Host	Description	Web Link
Winplot: Graphing & equations	Phillips Exeter Academy	Free software ('Peanut') that allows drawing and animating graphs, typing equations, drawing etc., and can easily be imported into Word	http://math.exeter.edu/rparris/winplot.html (to download program) http://www.math.hawaii.edu/lab/241/winplot.html (easy-to-follow intro & instructions)
Win-	Phillips Exeter Academy	Software from 'Peanut' including Wingeom (2D and 3D geometry), Winarc (games-Sudoku etc.), Winfeed (fractals), Winmat (matrices), Winstats (stats & probability), Windisc (discrete), Wincalc (calculator)	http://math.exeter.edu/rparris/default.html
Grid Paper	Incompetech	Create any type of grid paper	http://www.incompetech.com/graphpaper/lite/

Sites Useful for Teachers and Students

Type/Name	Host	Description	Web Link
More on Math	St. Patrick's Int	Site for students, teachers and parents created by Linda Lofaro and Mike Major	http://mail.ottawacatholicschools.ca/~linda_lofaro/more_on_math.htm
The Virtual Lab NEW	Queen's University	Online resource for eastern Ontario educators teaching math & science, gr 7-12	www.thevirtuallab.org
Parent Help	Ministry of Education	For K-8 parents	http://www.ontario.ca/abc123
Student Math Solving Help NEW	Bagatrix Inc.	Great for senior students – will provide steps to solving math questions	www.mathway.com
Dictionary	McGraw-Hill	Multilingual Math Dictionary	http://www.glencoe.com/sec/math/mlg/mlg.php
PRISM-Neo (CD sent home with students)	Near North School Board	Collection of Geometer SketchPad ready-made sketches, for grades 7,8,9,11 Topics: 7-9 geometry, integers, graphing, ratios, central tendency; 11 trig, exponential f'ns, CBR, quadratics etc.	http://www.nearnorthschools.ca/it/prismneo/index.asp
Grades 4-12 Math, focus on data	Statistics Canada	Statistics Canada site – resources for gr 4-12, E-STAT, Function Modelling, Census at Schools, MDM 4U, microdata sources and more.	http://www.teacherweb.com/on/statistics/math/
NLVM	Utah State University	National Library of Virtual Manipulatives for grades 1-12; includes algebra tiles, geoboards, loan calculators, etc.	http://nlvm.usu.edu/en/nav/index.html
EQAO test preparation	TV Ontario ILC site	Site with sample test questions to help students prepare for the grade 9 EQAO test	http://www.ilc.org/cfm/AAT/EQAO/aat_G9_TestPreparation.cfm?Menu_ID_Sel=11100&Lang_Sel=1
Math Forum	Drexel College	Source for help for students and teachers; includes Student Centre, Problem of the Week, Homework Help, Activities and Projects etc.	http://mathforum.org/
Illuminations	NCTM	Choice of interactive math tools, and math investigations; organized by lessons, activities, games, web links and also by grade, unit etc.	http://illuminations.nctm.org/
Nrich Maths	Cambridge	Site for weekly enriching math problems and games; available for grades 1-12+	http://nrich.maths.org/public/index.php
Consumer Math	Gov't of Canada	Site with consumer credit card, credit reports information for students.	http://www.fcac-acfc.gc.ca
Ontario Universities	University pre-requisites for fall 2009		http://www.electronicinfo.ca

Contests & Enrichment Opportunities for Students and Teachers

U of Waterloo (CEMC)	Gauss, Pascal, Fryer, Cayley, Galois, Fermat, Hypatia, Euclid for grades 7-12	http://www.cemc.uwaterloo.ca/english/contests/index.shtml
Centre for Education in Mathematics and Computing	Summer Institutes for gr 7&8 or 9-12 teachers; marking of above contests etc.	http://www.cemc.uwaterloo.ca/english/index.shtml
COMA Math Olympics	Grade 7 & 8 competitions, teams of 4 (April)	http://oame.on.ca/chapter/COMA/
Shad Valley	4 week summer camp	www.shad.ca
Pathmakers	Links with Carleton U to support more girls in science, engineering and technology	http://www.pathmakers.ca

Commercial, Textbook and Catalogue Sites:

Company	Description	Site
Texas Instruments	On-line catalogue; TI-15, TI-73, TI-84, TI-89, TI-inspire etc. Includes teacher resources & lessons	http://www.ti.com/
Spectrum-Nasco	On-line catalogue	http://www.spectrumed.com
McGraw-Hill Ryerson	Textbooks, teaching resources	http://www.mcgrawhill.ca/school/subjects/mathematics/index.php
Nelson	Textbooks, professional resources	http://school.nelson.com/
Pearson Education Canada	Textbooks, professional learning	http://www.pearsoncanada.ca/index.html
Merlan	Software, probe equipment etc.	http://www.merlan.ca/default.aspx
Vernier	Data collection devices for science	http://www.vernier.com/
Tinkerplots	Site with free how-to movie clips	http://www.keypress.com/x5715.xml